



**National Load Despatch Centre**  
**राष्ट्रीय भार प्रेषण केंद्र**  
**POWER SYSTEM OPERATION CORPORATION LIMITED**  
**पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड**  
(Government of India Enterprise/ भारत सरकार का उद्यम)  
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016  
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

---

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 27<sup>th</sup> Sep 2020

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली – 110016  
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093  
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक, द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009  
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 26.09.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-सितंबर-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उपलब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 26th September 2020, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 27-Sep-2020

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	59039	46408	36410	21047	2722	165626
Peak Shortage (MW)	170	0	0	0	16	186
Energy Met (MU)	1303	1051	809	432	48	3643
Hydro Gen (MU)	282	106	140	141	30	699
Wind Gen (MU)	28	92	81	-	-	201
Solar Gen (MU)*	38.97	25.14	42.76	4.41	0.07	111
Energy Shortage (MU)	0.4	0.0	0.0	0.0	0.0	0.4
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59391	47384	38229	21213	2774	167683
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	18:55	18:48	19:00	18:06	19:13

B. Frequency Profile (%)

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	> 49.9	49.9 - 50.05	> 50.05
All India	0.027	0.00	0.66	4.13	4.79	85.03	10.17

C. Power Supply Position in States

Region	States	Max.Demand Met during the day(MW)	Shortage during maximum Demand(MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	10383	0	232.0	136.2	-1.9	20	0.0
	Haryana	8671	0	190.1	140.6	0.4	139	0.0
	Rajasthan	11662	0	254.7	73.4	-3.4	342	0.0
	Delhi	5497	0	106.0	104.3	-1.2	364	0.0
	UP	20247	0	397.5	174.0	1.1	617	0.3
	Uttarakhand	1858	0	40.7	22.4	0.5	103	0.0
	HP	1414	53	30.4	8.3	0.5	225	0.0
	J&K(UT) & Ladakh(UT)	2278	0	46.3	22.7	1.6	258	0.0
	Chandigarh	248	0	5.0	5.2	-0.2	18	0.0
	Chhattisgarh	3753	0	88.5	32.6	-1.2	139	0.0
WR	Gujarat	14565	0	325.9	68.6	0.4	552	0.0
	MP	9222	0	204.6	97.7	-3.2	326	0.0
	Maharashtra	17622	0	379.8	132.4	-3.4	468	0.0
	Goa	470	0	9.3	8.9	-0.2	40	0.0
	DD	323	0	7.3	7.2	0.1	32	0.0
	DNH	772	0	18.0	18.2	-0.2	24	0.0
	AMNSIL	772	0	17.2	2.7	0.2	245	0.0
	Andhra Pradesh	7015	0	146.9	67.8	-2.7	399	0.0
	Telangana	6413	0	132.7	34.7	-2.9	466	0.0
	Karnataka	7687	0	148.8	52.5	1.0	713	0.0
SR	Kerala	3232	0	66.3	37.5	-0.1	205	0.0
	Tamil Nadu	13951	0	306.8	166.8	-0.1	683	0.0
	Puducherry	366	0	7.8	8.1	-0.3	20	0.0
	Bihar	4656	0	88.5	86.0	-2.6	177	0.0
	DVC	2994	0	65.0	-43.3	0.2	306	0.0
	Jharkhand	1870	0	26.8	20.0	-1.3	452	0.0
	Odisha	4726	0	93.4	17.7	-1.6	411	0.0
	West Bengal	7475	0	157.4	50.3	0.0	290	0.0
	Sikkim	84	0	1.2	1.4	-0.2	15	0.0
	NER	Arunachal Pradesh	112	2	2.3	2.1	0.2	11
Assam		1790	28	30.1	26.1	0.1	143	0.0
Manipur		193	1	2.6	2.5	0.1	38	0.0
Meghalaya		307	0	4.8	-0.3	-0.3	60	0.0
Mizoram		92	2	1.6	1.2	0.1	10	0.0
Nagaland		122	1	2.3	2.4	-0.2	12	0.0
Tripura		254	1	4.4	5.9	-0.1	54	0.0
ER								

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	50.5	-0.6	-25.3
Day Peak (MW)	2151.0	-180.0	-1088.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	341.0	-334.0	129.0	-128.1	-7.9	0.0
Actual(MU)	343.1	-344.7	134.0	-125.3	-9.4	-2.3
OD/UD(MU)	2.1	-10.7	5.0	2.8	-1.5	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5480	17350	11962	1655	525	36973
State Sector	8929	19393	15567	5667	112	49668
Total	14409	36743	27529	7322	637	86640

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	563	1065	303	443	7	2381
Lignite	24	12	16	0	0	52
Hydro	282	106	140	141	30	699
Nuclear	27	20	69	0	0	116
Gas, Naptha & Diesel	4	53	17	0	26	100
RES (Wind, Solar, Biomass & Others)	79	118	151	4	0	351
Total	978	1373	696	589	63	3699
Share of RES in total generation (%)	8.03	8.56	21.63	0.75	0.11	9.50
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.59	17.73	51.67	24.70	47.92	31.52

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.008
Based on State Max Demands	1.032

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 27-Sep-2020

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
<b>Import/Export of ER (With NR)</b>								
1	HVDC	ALIPURDUAR-AGRA	2	0	1001	0.0	24.8	-24.8
2	HVDC	PUSAULI-B/B	-	0	299	0.0	7.4	-7.4
3	765 kV	GAYA-VARANASI	2	0	614	0.0	10.8	-10.8
4	765 kV	SASARAM-FATEHPUR	1	68	145	0.0	1.0	-1.0
5	765 kV	GAYA-BALIA	1	0	486	0.0	8.4	-8.4
6	400 kV	PUSAULI-VARANASI	1	0	226	0.0	4.7	-4.7
7	400 kV	PUSAULI-ALLAHABAD	1	0	134	0.0	2.5	-2.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	818	0.0	16.8	-16.8
9	400 kV	PATNA-BALIA	4	0	1029	0.0	20.1	-20.1
10	400 kV	BIHARSHARIFF-BALIA	2	0	400	0.0	7.7	-7.7
11	400 kV	MOTIHARI-GORAKHPUR	2	0	328	0.0	5.1	-5.1
12	400 kV	BIHARSHARIFF-VARANASI	2	0	215	0.0	3.2	-3.2
13	220 kV	PUSAULI-SAHUPURI	1	0	102	0.0	0.9	-0.9
14	132 kV	SONE NAGAR-RIHAND	2	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	30	0	0.2	0.0	0.2
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0
ER-NR						0.2	113.2	-113.1
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1078	0	24.4	0.0	24.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1004	0	14.7	0.0	14.7
3	765 kV	JHARSUGUDA-DURG	2	197	27	2.3	0.0	2.3
4	400 kV	JHARSUGUDA-RAIGARH	4	244	0	3.8	0.0	3.8
5	400 kV	RANCHI-SIPAT	2	389	0	6.3	0.0	6.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	96	0.0	1.4	-1.4
7	220 kV	BUDHIPADAR-KORBA	2	172	0	2.9	0.0	2.9
ER-WR						54.3	1.4	52.9
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	586	0.0	13.7	-13.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1794	0.0	43.2	-43.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2564	0.0	48.1	-48.1
4	400 kV	TALCHER-J/C	2	47	789	0.0	5.7	-5.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
ER-SR						0.0	105.0	-105.0
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	67	363	0.0	1.9	-1.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	241	391	0.2	0.0	0.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	125	0.0	1.2	-1.2
ER-NER						0.2	3.0	-2.8
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	604	0.0	14.5	-14.5
NER-NR						0.0	14.5	-14.5
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1499	0.0	39.3	-39.3
2	HVDC	VINDHYACHAL-B/B	-	0	55	0.0	1.2	-1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1077	0.0	26.7	-26.7
4	765 kV	GWALIOR-AGRA	2	0	2698	0.0	49.8	-49.8
5	765 kV	PHAGI-GWALIOR	2	0	991	0.0	19.7	-19.7
6	765 kV	JABALPUR-ORAI	2	0	1003	0.0	37.5	-37.5
7	765 kV	GWALIOR-ORAI	1	406	0	7.5	0.0	7.5
8	765 kV	SATNA-ORAI	1	0	1470	0.0	30.6	-30.6
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1294	0.0	25.5	-25.5
10	400 kV	ZERDA-KANKROLI	1	0	197	0.0	3.4	-3.4
11	400 kV	ZERDA-BHINMAL	1	14	278	0.0	3.6	-3.6
12	400 kV	VINDHYACHAL-RIHAND	1	831	0	12.0	0.0	12.0
13	400 kV	RAPP-SHULPUR	2	0	445	0.0	6.7	-6.7
14	220 kV	BHANPURA-RANPUR	1	0	130	0.0	2.4	-2.4
15	220 kV	BHANPURA-MORAK	1	11	0	0.0	2.1	-2.1
16	220 kV	MEHGAON-AURAIYA	1	98	8	0.2	0.2	0.1
17	220 kV	MALANPUR-AURAIYA	1	51	32	1.0	0.0	1.0
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						20.8	248.6	-227.9
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	823	0.0	10.2	-10.2
2	HVDC	RAIGARH-PUGALUR	2	289	150	0.0	2.5	-2.5
3	765 kV	SOLAPUR-RAICHUR	2	0	2188	0.0	27.4	-27.4
4	765 kV	WARDHA-NIZAMABAD	2	0	2067	0.0	33.1	-33.1
5	400 kV	KOLHAPUR-KUDGI	2	486	0	7.6	0.0	7.6
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	72	1.4	0.0	1.4
WR-SR						9.0	73.2	-64.2
<b>INTERNATIONAL EXCHANGES</b>								
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)		
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	585	583	585	14.2		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1087	1083	1087	26.2		
	ER	230kV CHUKHA-BIRPARA 1&2 (& 230kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	350	0	324	7.8		
	NER	132KV-GEYLEGPHU - SALAKATI	73	45	-54	-1.3		
	NER	132kV Motanga-Rangit	56	0	-40	-1.0		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-41	0	-12	-0.3		
	ER	132KV-BIHAR - NEPAL	-3	0	-2	-0.1		
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-136	-4	-10	-0.3		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-940	-933	-933	-22.4		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	74	0	-61	-1.5		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	74	0	-61	-1.5		